For Research Use Only

CoraLite®488-conjugated FUS/TLS Polyclonal antibody

Catalog Number:CL488-11570

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
CL488-11570

Size:
100ul , Concentration: 700 μg/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG2150

GenBank Accession Number:
BC026062

GeneID (NCBI):
2521

Full Name:
fusion (involved in t(12;16) in malignant liposarcoma)

Calculated MW:
75 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
IF 1:50-1:500

Excitation/Emission maxima wavelengths:
491 nm / 516 nm

Applications

Tested Applications:
FC (Intra), IF

Species Specificity:
human, mouse, rat

Positive Controls:

IF : HepG2 cells, HeLa cells

Background Information

FUS (also named TLS and POMp75) belongs to the RRM TET family. FUS may play a role in the maintenance of genomic integrity; it binds both single-stranded and double-stranded DNA and promotes ATP-independent annealing of complementary single-stranded DNAs and D-loop formation in superhelical double-stranded DNA. FUS is also an RNA-binding protein, and its links to neurodegenerative disease proffer the intriguing possibility that altered RNA metabolism or RNA processing may underlie or contribute to neuron degeneration[PMID: 22640227]. FUS may be a cause of angiomatoid fibrous histiocytoma (AFH) and is implicated in certain forms of amyotrophic lateral sclerosis (ALS) and frontotemporal dementias (FTDs) such as frontotemporal lobar dementia with ubiquitin inclusions (FTLD-U)[PMID: 22640227]. This antibody is a rabbit polyclonal antibody raised against an internal region of human FUS. This antibody is conjugated with CL488, Ex/Em 488 nm/515 nm.

Storage

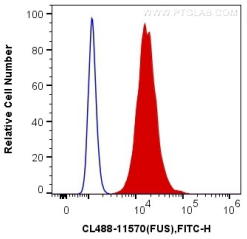
Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

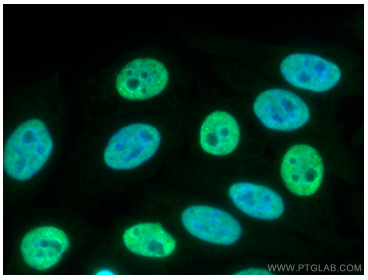
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

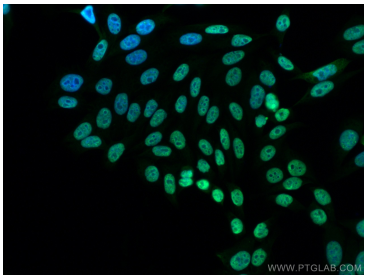
Selected Validation Data



1X10^6 MCF-7 cells were intracellularly stained with 0.2 ug CoraLite®488 Anti-Human FUS/TLS (CL488-11570) (red), or 0.2 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CoraLite®488 FUS/TLS antibody (CL488-11570) at dilution of 1:200.



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